

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CTR ACCEPTANCE

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	NAS5- 99124 TASK NO. 439 AMENDMENT	460-784-60-02-89	01

TASK TITLE: (NTE 80 characters; include Project name)

Living With a Star/Space Environment Tesbed Engineering Services

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Arlene F. Peterson <i>Arlene F. Peterson</i>	12/14/00	460	460	x0518
BRANCH HEAD	DATE	CODE		PHONE
Jacquelyn Fiora <i>Jacquelyn Fiora</i>	12/14/00	460		x1228
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE		PHONE
Robert S. Lehair, Jr. <i>Robert S. Lehair, Jr.</i>	12/18/00	560		x5688
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Larry Moore			

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: DEC 19

Contractor will develop specification or statement of work under this task for a future procurement. ☐ NO ☒ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☒ NO ☐ YES ☐ N/A

Government Furnished Property/Facilities: ☐ NO ☒ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES If yes: ☐ TOTAL ☒ PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be 12/19/00.

INCENTIVE FEE STRUCTURE (check one)

	No. 1	No. 2	No. 3	No. 4	<input checked="" type="checkbox"/> No. 5
Cost	10%	50%	25%	25%	20%
Schedule	15%	25%	25%	50%	40%
Technical	75%	25%	50%	25%	40%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 420,394.

The target fee of this task order is \$ 23,340.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 443,734.

The maximum fee is \$ 34,112.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Theresa J. Becker

SIGNATURE OF CONTRACTING OFFICER

1/31/01

DATE

Theresa J. Becker

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- 99124	439	

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide systems engineering and technology engineering services to the Living With a Star/Space Environment Testbed (LWS/SET) Program. The focus of these services will be on the effectiveness and development of in-flight testbeds for reducing environment design margins and for validating ground test protocols. An important aspect of this work is to initiate, evaluate the value of, and understand requirements for partnering with DoD, other agencies, commercial, and international partners.

The contractor shall provide services to the LWS/SET in the formulation and development of the LWS/SET as follows:

- *1. Review appropriate requirements and/or expected performance to assess mission compliance
- *2. Identify and/or perform the necessary trade analyses.
- *3. Evaluate technologies and proposed technology experiment concepts in light of their sensitivity to solar variability
- *4. Develop mission requirements and white papers as related to systems engineering and technology assessments
- 5. Assist in cost model analyses for technology validation methods
- 6. Evaluate the effectiveness of ground test protocols as applicable to solar-variable flight experiments
- 7. (onsite and offsite) Evaluate technical requirements for spacecraft testbeds
- 8. Research the availability and maturity of new technologies
- 9. (onsite and offsite) Travel to meeting and conference sites to support the above services

GFE is PCs and software for providing documentation and presentations

PERFORMANCE SPECIFICATIONS:

Trade studies shall provide full documentation of trade space parameters for comparative analysis.

These include: identifying possible problems meeting specific requirements, identifying possible solutions and approaches, identifying additional work needed to support the trade off, developing strengths and weaknesses for each approach taking into account technical, resource and schedule considerations, weighting/scoring the pros and cons for each solution, and selecting/recommending the best approach which clearly satisfies the requirements.

Requirements shall be in accordance with industry standard practice.

White papers shall provide engineering background and full analysis of technical products.

Reports and Documents: Technical performance will be based on thoroughness and completeness of written reports.

Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity. Reports shall be delivered to the ATR both as a hard copy and in MS Word format format via either diskette or email.

Technical Progress Report: Acceptable performance is that the ATR is satisfied that he/she is being kept informed of the status of work performed and of issues requiring his/her attention. Report to include: (1) summary of monthly progress; (2) plans for next month; (3) problems; (4) issues; and (5) resolution of problems/issues.

Management: Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

APPLICABLE DOCUMENTS:

Space Environments Testbed Attached Payload Mission Requirements

TASK END DATE: 11/30/01

MILESTONES/DELIVERABLES AND DATES:

Reports:	(1) Status reports	Monthly
	(2) Strawman Architectural Requirements	3/31/01
	(3) Technology Availability White Paper	4/28/01
	(4) Documentation in accordance with pre-NRA workshop requirements	2/5/01
	(5) White papers and trade studies	Quarterly
	(6) Technical Progress Report	Monthly, 15th of the month
Miscellaneous:	(7) Technical services at meetings (IEEE NSREC, pre-NRA workshop)	expected quarterly
	(8) Provide weekly support to engineering team meetings	
	(9) Provide support for periodic LWS/SET reviews and meetings	

PERFORMANCE STANDARDS:

Schedule:	On-time delivery of the above
Technical:	ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Arlene F. Peterson Building 6, Room C100